ALKYLAMINOALKYL-TERMINATED SULFIDE/SULFONYL-CONTAINING PROPARGYL AMINO-DIOL COMPOUNDS FOR TREATMENT OF HYPERTENSION

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ABSTRACT

Compounds characterized generally as alkylaminoalkyl-terminated sulfide/sulfonyl-containing propargyl amino-diol derivatives are useful as renin inhibitors for the treatment of hypertension. Compounds of particular interest are those of Formula II:

$$R^{13} = \begin{bmatrix} R^{13} & 0 & R^{5} & H & OH \\ R^{12} & N - [CH_2]_q & S[O]_r & R^{3} & H & OH \\ R^{12} & N & R^{7} & OH \end{bmatrix}$$

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wherein q is two or three; wherein r is zero or two; wherein R² is selected from hydrido, methyl, ethyl and phenyl; wherein R³ is selected from hydrido,

20 cyclohexylmethyl, benzyl, fluorobenzyl, chlorobenzyl, fluoronaphthylmethyl and chloronaphthylmethyl; wherein R⁵ is propargyl or a propargyl containing moiety; wherein R⁷ is cyclohexylmethyl; wherein R⁸ is selected from n-propyl, isobutyl, cyclopropyl, cyclopropylmethyl, allyl and vinyl; and wherein each of R¹² and R¹³ is a group independently selected from methyl, ethyl and isopropyl; or a pharmaceutically-acceptable salt thereof.